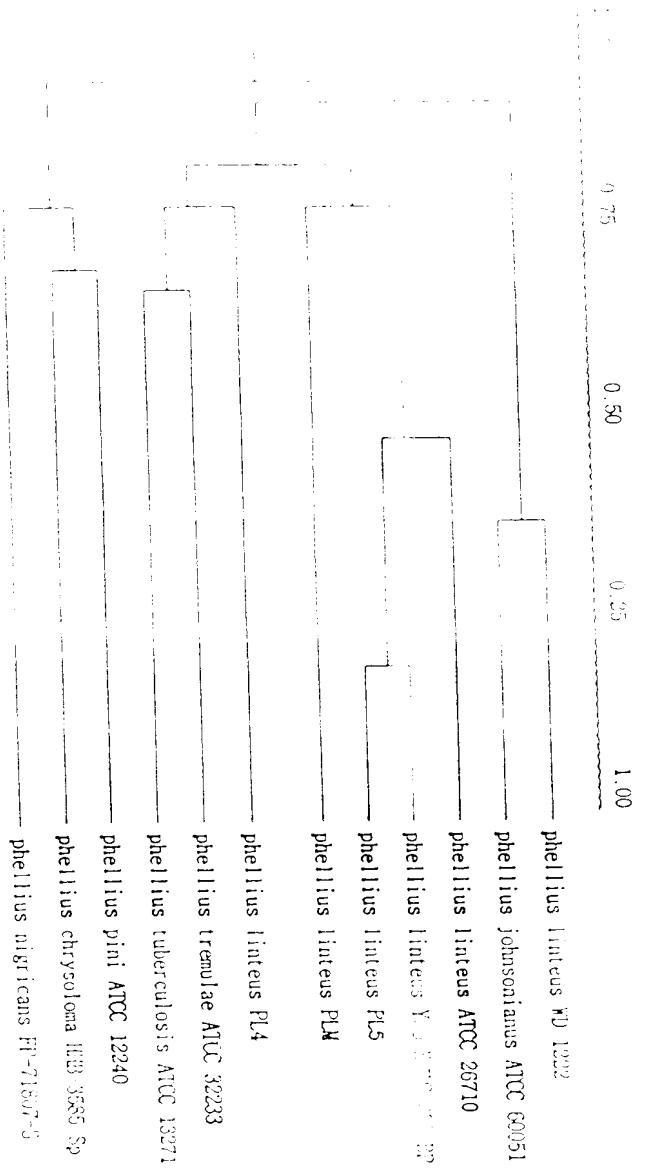


INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARAIDE SUBSTANCE  
FROM Phellinus spp. STRAIN AND USE THEREOF  
SHEET: 1 OF 13  
ATTY: S. Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL \_\_\_\_\_ DATE: \_\_\_\_\_

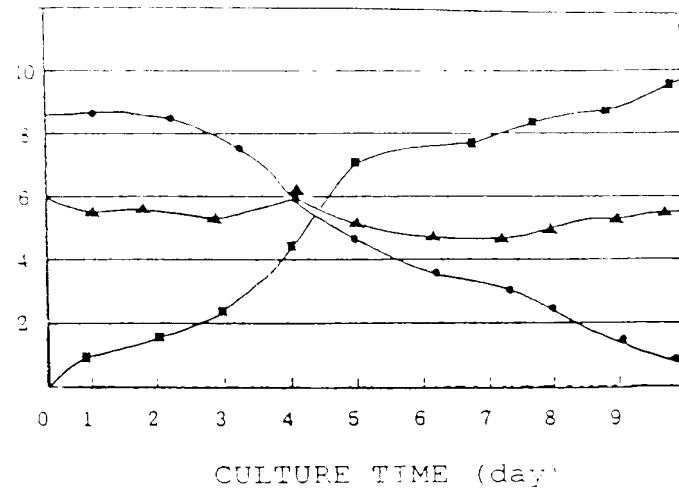
# FIG. 1

## UPGMA



INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
*Phellinus* spp. STRAIN AND USE THEREOF  
SHEET: 2 OF 13  
ATTY: S. Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL: DATE:

## FIG. 2



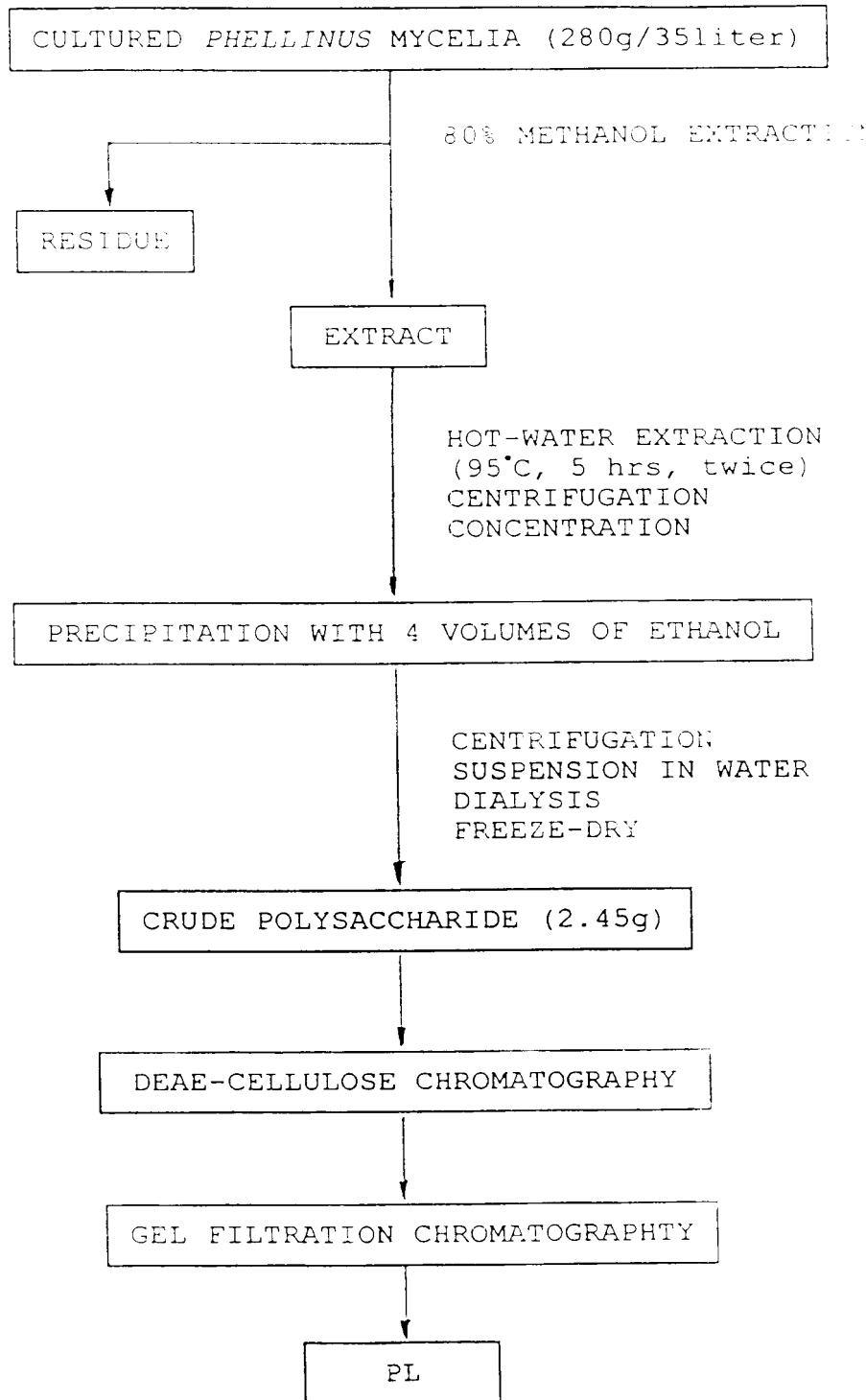
●: GLUCOSE (g/l)

■: MYCELIA (g/l)

▲: Ph

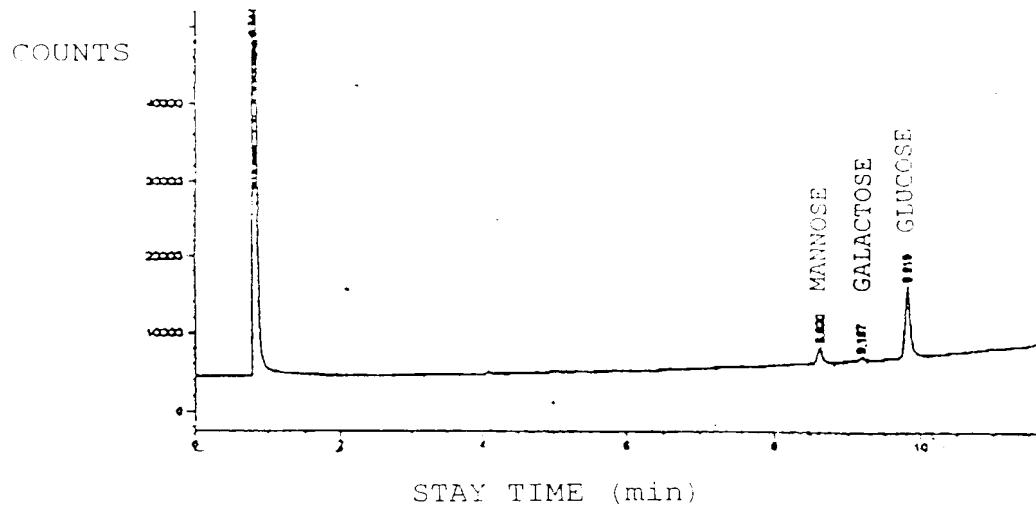


FIG. 3



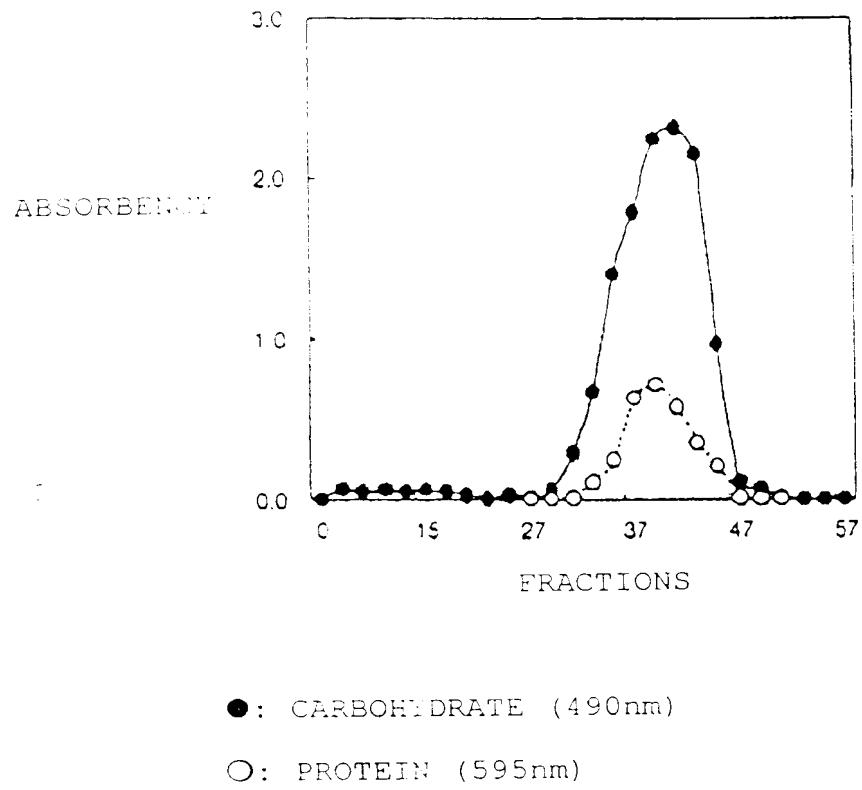
INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
Phellinus spp. STRAIN AND USE THEREOF  
SHEET: 4 OF 13  
ATTY: S Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL \_\_\_\_\_ DATE: \_\_\_\_\_

FIG. 4



INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
*Phellinus* spp. STRAIN AND USE THEREOF  
SHEET: 5 OF 13  
ATTY: S Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL \_\_\_\_\_ DATE: \_\_\_\_\_

FIG. 5



INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
~~Phellinus spp.~~ STRAIN AND USE THEREOF  
SHEET: 6 OF 13  
ATTY: S. Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Know FILE NO.: 1728/1F088US2  
EXPRESS MAIL DATE: \_\_\_\_\_

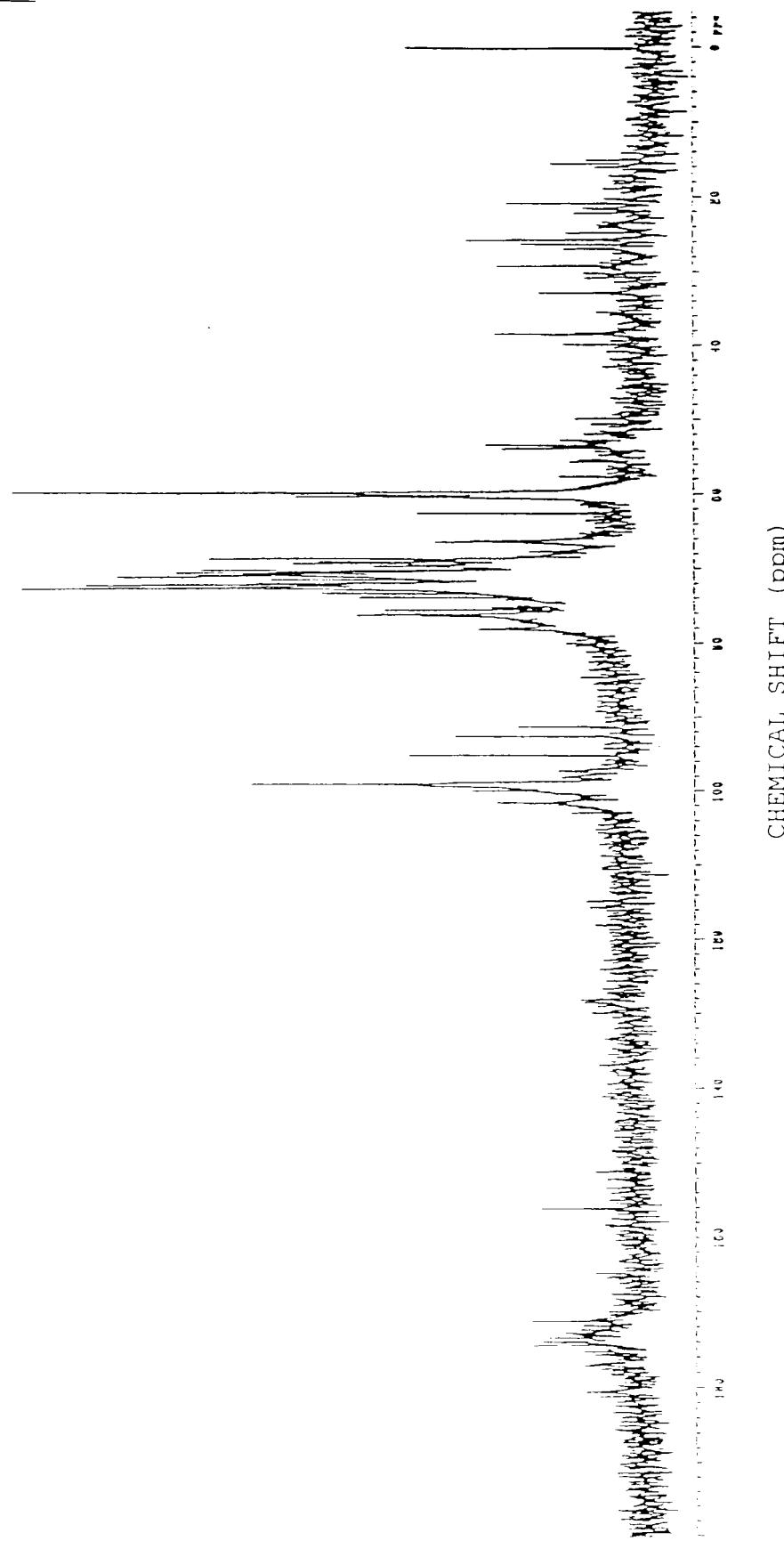
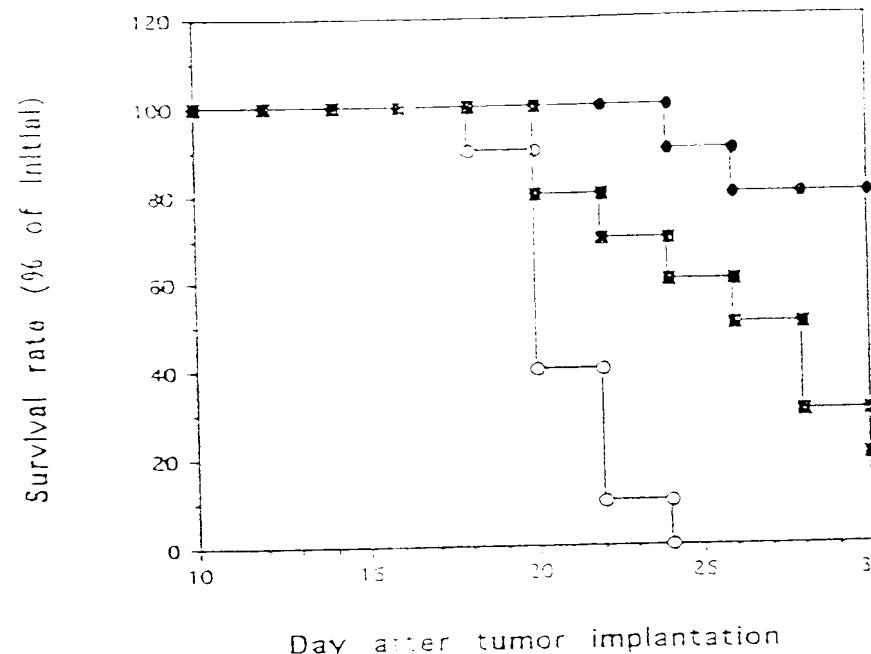


FIG. 6



INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
*Phellinus* spp. STRAIN AND USE THEREOF  
SHEET: 7 OF 13  
ATTY: S. Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL DATE: \_\_\_\_\_

FIG. 7



○: UNTREATED  
●: PRETREATED  
■: POSTTREATED



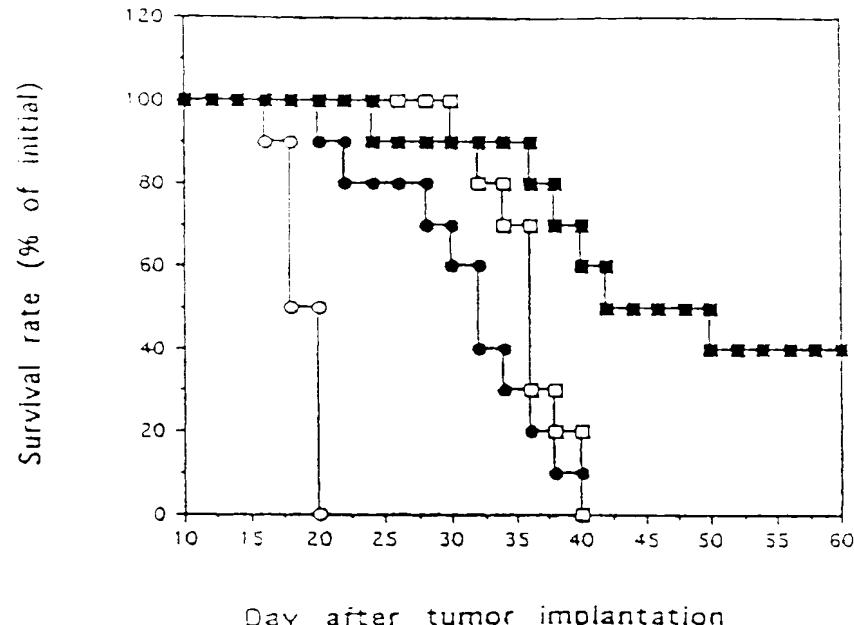
INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
Phellinus spp. STRAIN AND USE THEREOF

SHEET: 8 OF 13

ATTY: S. Peter Ludwig - (212) 527-7700

SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL DATE: \_\_\_\_\_

FIG. 8a



○: UNTREATED

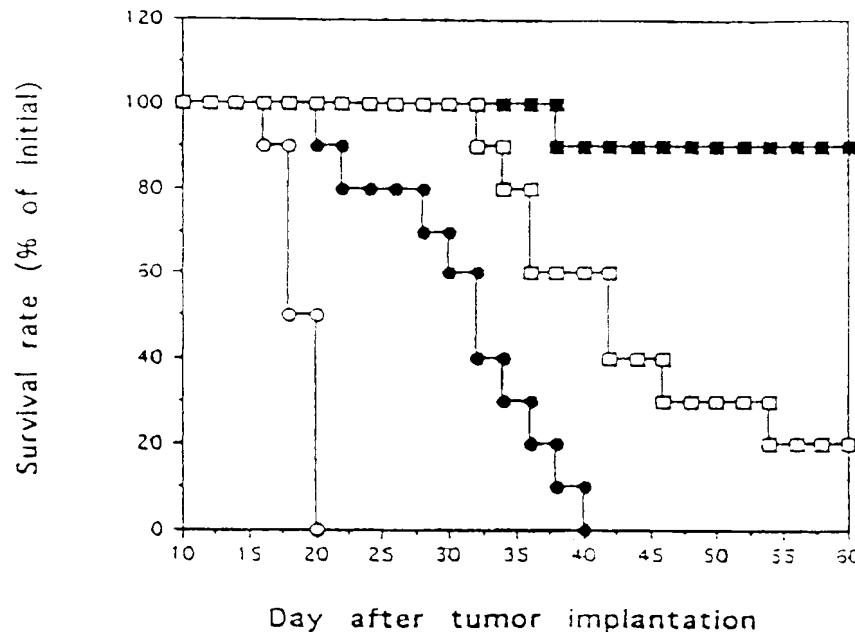
●: POLYSACCHARIDE - TREATED

□: 0.1mg/kg ADRIAMYCIN - TREATED

■: POLYSACCHARIDE/0.1mg/kg ADRIAMYCIN - TREATED



FIG. 8b



○: UNTREATED

●: POLYSACCHARIDE - TREATED

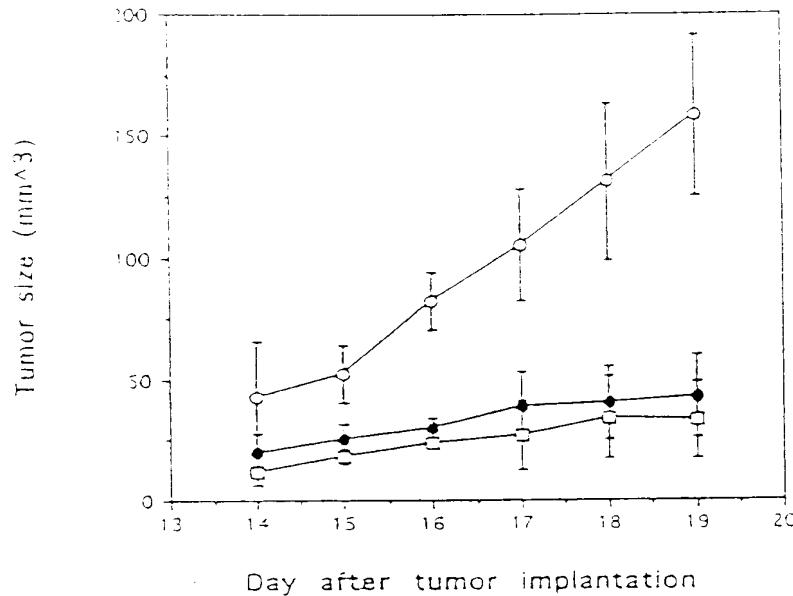
□: 0.3mg/kg ADRIAMYCIN - TREATED

■: POLYSACCHARIDE/0.3mg/kg ADRIAMYCIN -TREATED



INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
*Phellinus* spp. STRAIN AND USE THEREOF  
SHEET: 10 OF 13  
ATTY: S. Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL \_\_\_\_\_ DATE: \_\_\_\_\_

FIG. 9a

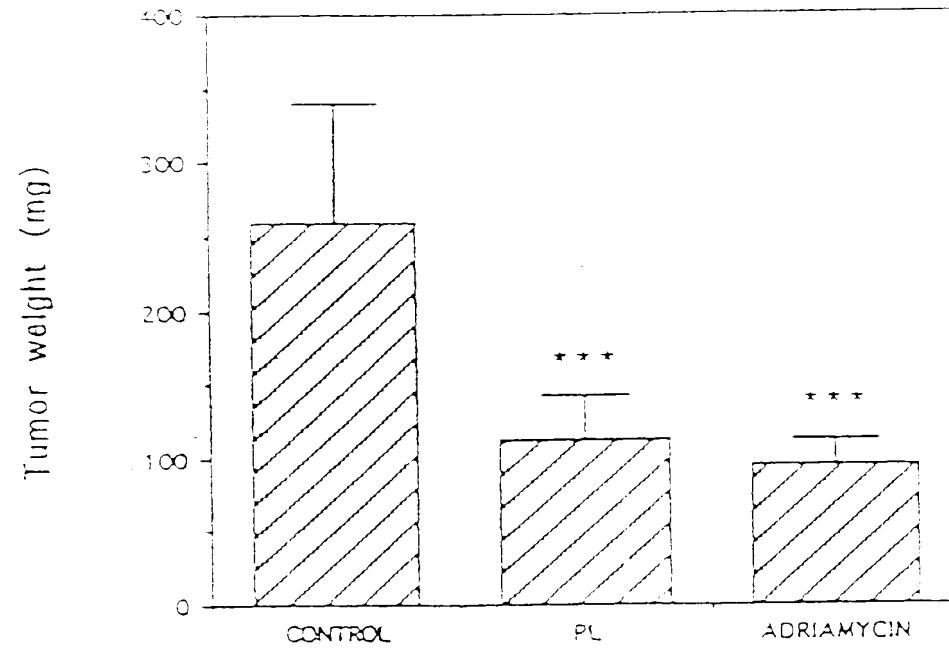


○: UNTREATED  
●: POLYSACCHARIDE - TREATED  
□: ADRIAMYCIN - TREATED



INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO-STIMULATING POLYSACCHARIDE SUBSTANCE FROM  
Phellinus spp. STRAIN AND USE THEREOF  
SHEET: 11 OF 13  
ATTY: S. Pete, Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL DATE: \_\_\_\_\_

FIG. 9b



INVENTOR: Ick-Dong Yoo, et al.  
TITLE: NOVEL IMMUNO STIMULATING POLY(URIDYLIC ACID) SUBSTANCE FROM  
Phellinus spp. STRAIN AND USE THEREOF  
SHEET: 12 OF 13  
ATTY: S. Peter Ludwig - (212) 527-7700  
SERIAL NO.: Not Yet Known FILE NO.: 1728/1F088US2  
EXPRESS MAIL: DATE:

FIG. 10a

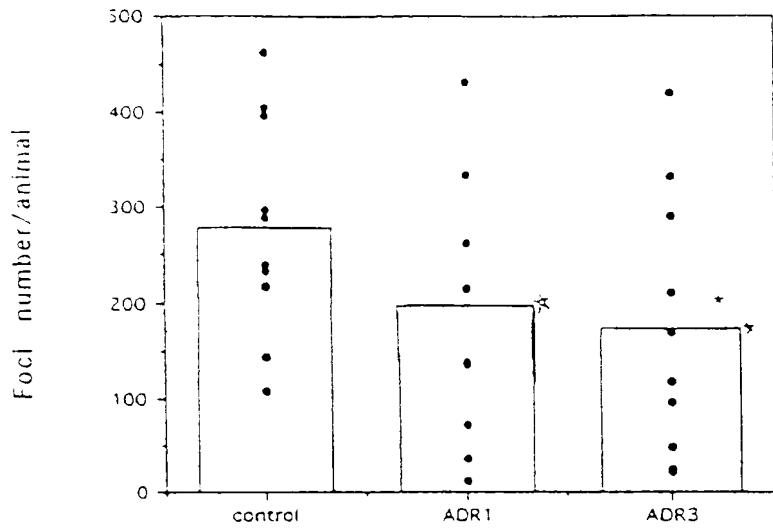


FIG. 10b

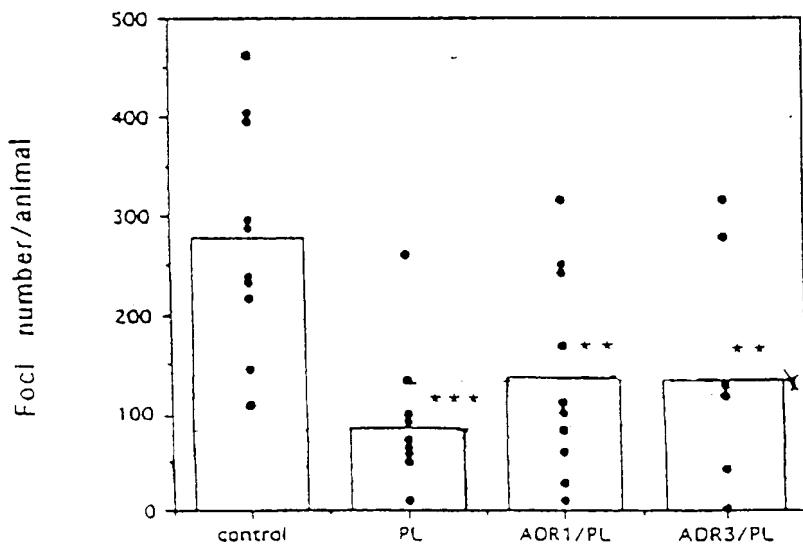
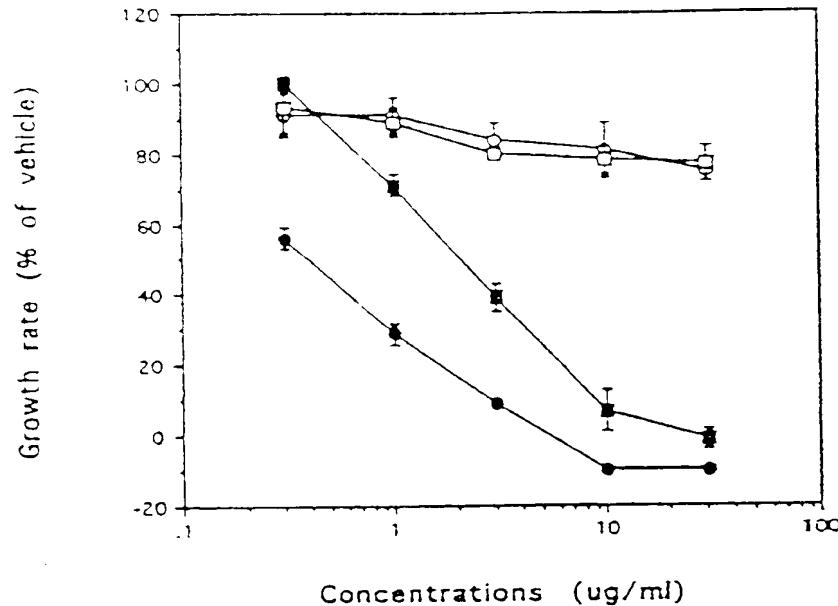


FIG. 11



- : POLYSACCHARIDE (B16)
- : POLYSACCHARIDE (NC1-H23)
- : ADRIAMYCIN (B16)
- : ADRIAMYCIN (NC1-H23)

